UNIVERSITY OF RHODE ISLAND
Position Description

TITLE: Director, DevOps/DataSpark

DIVISION: Academic Affairs

REPORTS TO: DataSpark Director

GRADE: 15

SUPERVISES: Professional and technical staff, Interns

BASIC FUNCTION:

Oversee the work of DataSpark's DevOps team. Ensure that the web applications created by the DevOps team meet the needs of DataSpark and our external partners. Manage the Senior Information Technologists and help guide the planning and software development practice. Oversee the importation and integration of partner data into the DataHub.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

Oversee development efforts by Senior Information Technologists. Work with Senior Information Technologists to prioritize work for downtime. Identify professional development opportunities for team. Work with DevOps team to improve process and programming practice. Recruit new DevOps Senior Information Technologists and DevOps Interns as needed. Participate in the onboarding and orientation of new staff.

Collaborate with other members of DataSpark's senior staff to establish priorities, timelines, deliverables, and product specifications. Engage in strategic planning around new technology, data security, contingency planning, and team capacity. Work with analysts and partners to explain data linkage methodology. Consult with partners on potential new projects. Provide estimates of time, effort, and dependencies. Provide support or training where necessary for analysts and partners using DataSpark products. Advise on technology and data strategy where necessary.

Oversee the process for importing and linking data in the DataHub. Work with DataSpark and ProvPlan staff to ensure data is secure, and recommend policies related to data security. Work with DataSpark Director to secure data-sharing agreements. Coordinate with analysts, partners, and Senior Information Technologists to create new data models and receive data to be included in

the Data Hub. Work with DevOps team to test data imports and linkage, ensuring data integrity and quality.
Find opportunities to improve DataHub's linkage quality and performance. Identify opportunities for routinizing common data management tasks. Manage software configurations and access controls. Work with ProvPlan IT to formulate and implement data backup and recovery procedures. Collaborate with ProvPlan IT to maintain and update the business continuity plan and other critical infrastructure documentation. Research and implement programming best practices and new technologies related to data management.

Act as product owner for DataSpark's core products: DataHub Core; Geocoder; DataHub Portal; and, RI Community Profiles. Evaluate new feature requests and opportunities and maintain a backlog of user stories for each product. Prioritize programming work based on need, value, and budget. Work with team on quality assurance and testing of new features. Work with external vendors as needed. Coordinate with Senior Information Technologists on upgrade path for underlying technologies. Work on defining new products when applicable, such as data dashboards for partner agencies. Act as "SCRUM Master" in the DevOps teams agile planning process

LICENSES, TOOLS AND EQUIPMENT:

Web applications, software, data models, personal computers, printers, fax machines, scanners and word processing.

ENVIRONMENTAL CONDITIONS:

This position is not substantially exposed to adverse environmental conditions.

QUALIFICATIONS:

REQUIRED: Bachelor's degree or higher in Computer Science or related field; Minimum five years' to include Python, SQL, and Django; Demonstrated project management experience; Demonstrated product management experience; Demonstrated knowledge of relational databases, SQL, and PostgreSQL; Demonstrated knowledge of common data structures and algorithms; Demonstrated strong interpersonal and verbal communication skills; Demonstrated proficiency in written communication skills; and, Demonstrated ability to work with diverse groups/populations.

ALL REQUIREMENTS ARE SUBJECT TO POSSIBLE MODIFICATION TO REASONABLY ACCOMMODATE INDIVIDUALS WITH DISABILITIES.